Deploy the code into docker container using Jenkins file

How the stages works in below Jenkins file

Stage 1 : take the code from git

Stage 2.check the code quality

Stage 3.build the code

Stage 4. Deploy the code into docker container in tomcat

pipeline {

agent { label 'slave1' }

environment {

M2\_HOME = tool 'maven-3.5.4'

ScannerHome = tool 'sonar\_scanner'

}

stages {

stage('git'){

steps{

git 'https://github.com/ValaxyTech/hello-world.git'

}

}

stage('sonar'){

steps{

withSonarQubeEnv('sonar'){

sh "${ScannerHome}/bin/sonar-scanner -Dproject.settings=sonar-project.properties"

}

}

}

stage('Build') {

steps{

sh "pwd"

sh "mvn clean install"

}

}

stage('Docker Build') {

steps{

sh "pwd"

sh "cp /home/ansibleremote/workspace/docker\_pipeline/webapp/target/webapp.war /home/ansibleremote/workspace/docker\_pipeline"

sh "sudo docker stop valaxy\_demo"

sh "sudo docker rm valaxy\_demo"

sh "sudo docker rmi war:1.0"

sh "sudo docker build -t war:1.0 ."

sh "sudo docker run -d --name valaxy\_demo -p 8090:8080 war:1.0"

sh "sudo docker tag war:1.0 docker4456/war:1.0"

sh "sudo docker login --username=docker4456 --password=Chintu@123"

}

}

}

}